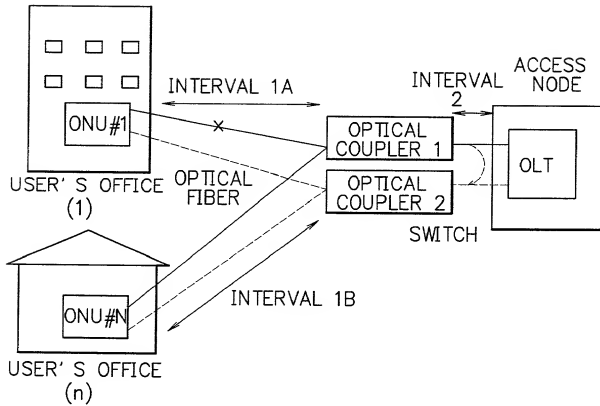


FIG. 1



F I G. 2

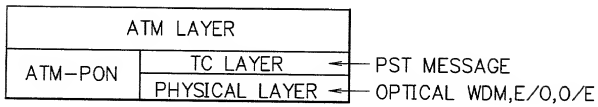


FIG. 3A

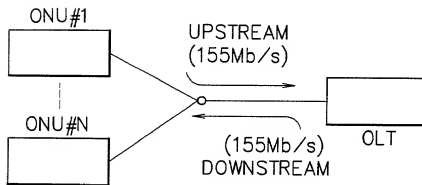
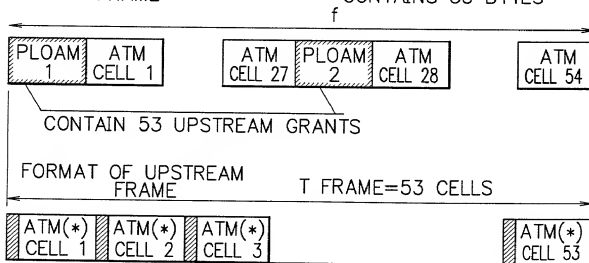
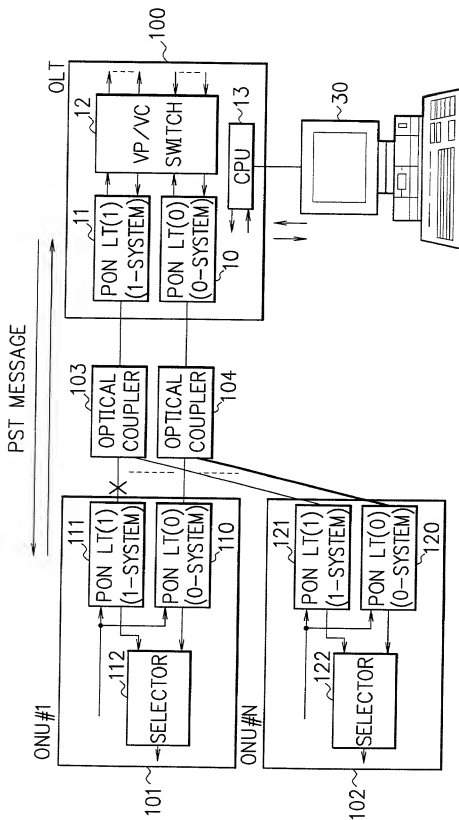


FIG. 3B

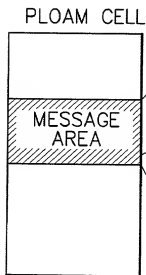
FORMAT OF DOWNSTREAM T FRAME=56 CELLS, EACH CELL
 FRAME CONTAINS 53 BYTES



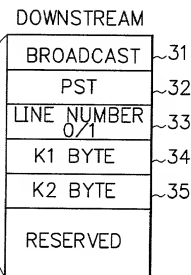
F I G. 4



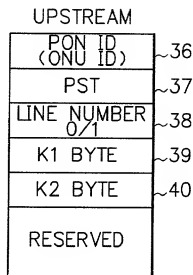
F I G. 5A



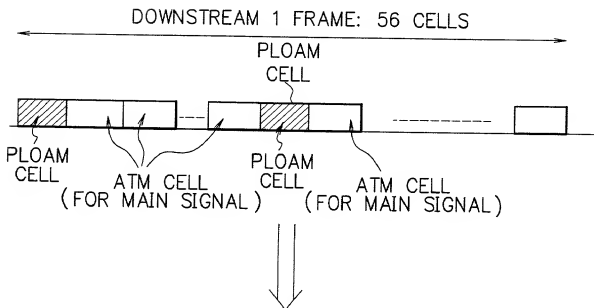
F I G. 5B



F I G. 5C



F I G. 6A



F I G. 6B

PLOAM CELL 1	1	2	3	-----	27
PLOAM CELL 2	28	29	30	-----	56

OAM FUNCTION

MAIN SIGNAL AREA

OPTICAL FIBER

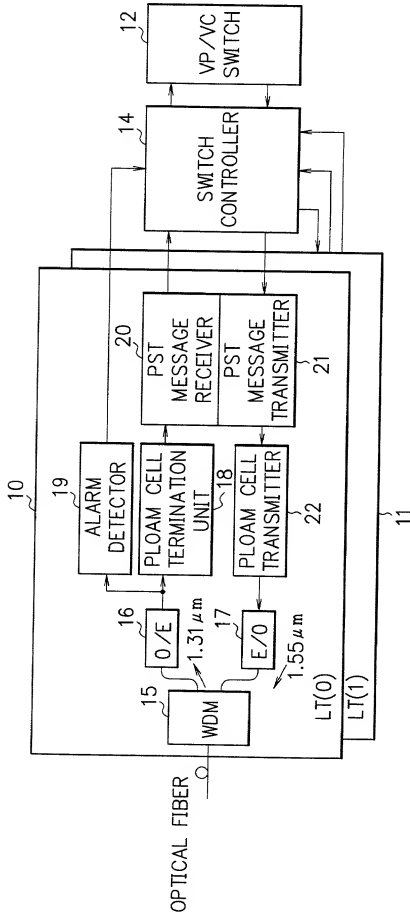
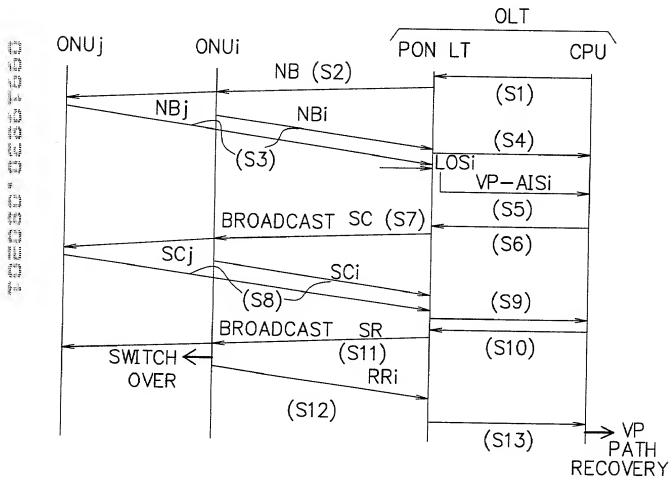


FIG. 8



F I G. 9A

	OPERATION EVENT	NON- BRIDGE	BRIDGE	FAULT IN BACKUP SYSTEM NON-BRIDGE	FAULT IN BOTH SYSTEMS NON-BRIDGE
PRIMARY: 0-SYSTEM	SC(0)	✓	NONE	✓	NONE
BACKUP: 1-SYSTEM	SC(1)	✓	✓	NONE	NONE

F I G. 9B

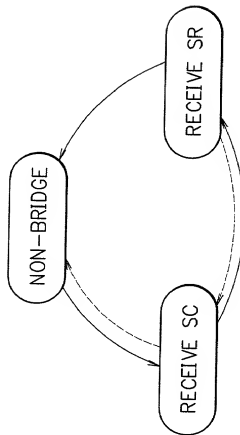


FIG. 10

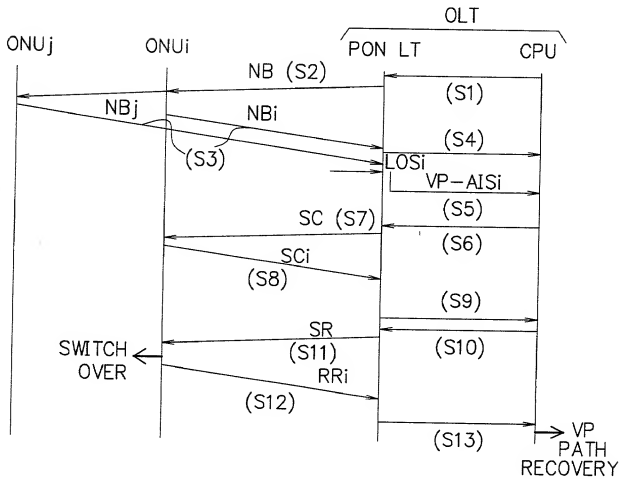


FIG. 11

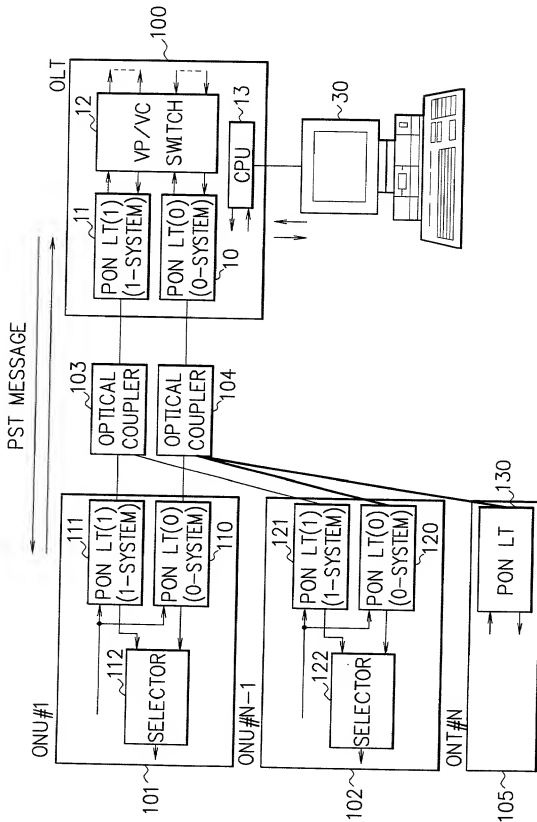


FIG. 12

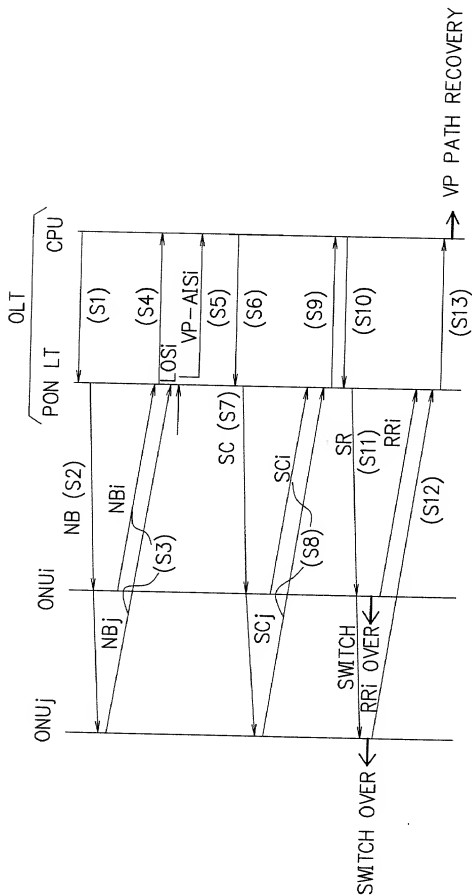


FIG. 13

